

Title (en)  
CARRIAGE TRACTION VEHICLE

Title (de)  
WAGENZUGFAHRZEUG

Title (fr)  
VÉHICULE DE TRACTION DE CHARIOT

Publication  
**EP 2296954 A2 20110323 (EN)**

Application  
**EP 09750984 A 20090522**

Priority  
• US 2009003163 W 20090522  
• US 12862308 P 20080523

Abstract (en)  
[origin: WO2009142753A2] The invention is a carriage traction vehicle for use with a monorail. The vehicle is self-propelled along the monorail by one or more motors engaging a fixed rack attached to the monorail.

IPC 8 full level  
**B61B 13/04** (2006.01); **B60L 11/18** (2006.01); **B61C 13/04** (2006.01); **B61F 5/24** (2006.01)

CPC (source: EP US)  
**B61B 13/02** (2013.01 - EP US); **B61B 13/04** (2013.01 - EP US); **E01B 25/08** (2013.01 - EP US); **Y02T 30/00** (2013.01 - EP US)

Cited by  
RU2638334C1; RU179330U1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2009142753 A2 20091126**; **WO 2009142753 A3 20100422**; CA 2725325 A1 20091126; CA 2725325 C 20160719; EP 2296954 A2 20110323; EP 2296954 A4 20121024; EP 2296954 B1 20161214; ES 2623360 T3 20170711; US 2009288578 A1 20091126; US 2012137923 A1 20120607; US 8113125 B2 20120214; US 8578861 B2 20131112

DOCDB simple family (application)  
**US 2009003163 W 20090522**; CA 2725325 A 20090522; EP 09750984 A 20090522; ES 09750984 T 20090522; US 201213396227 A 20120214; US 47110309 A 20090522